
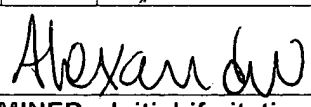


Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 071949-1315		SERIAL NO. 09/982,629		
<b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i>				APPLICANT Kenneth F. Buechler				
				FILING DATE October 18, 2001		GROUP ART UNIT 1743		
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
	AA	4,879,215	11/1989	Weng et al.	435	7	03/04/88	
	AB	4,945,205	07/1990	Litman et al.	219	121	07/05/88	
	AC	4,960,691	10/1990	Gordon et al.	435	6	09/29/86	
	AD	4,756,828	07/1988	Litman et al.	435	7	04/12/84	
	AE	4,757,004	07/1988	Houts et al.	435	7	03/16/84	
	AF	4,883,688	11/1989	Houts et al.	427	285	07/05/88	
	AG	5,137,808	08/1992	Ullman et al.	422	7.9	07/31/89	
	AH	5,089,391	02/1992	Buechler et al.	435	7.1	01/10/90	
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	AI	0 695 941	05/1995	EPO	<b>NO COPIES SUPPLIED FOR CONSIDERATION</b>			
	AJ	94/09366	04/1994	WO				
	AK	97/00442	01/1997	WO				
	AL	97/02357	01/1997	WO				
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
	AM	Cambridge Dictionary of Science and Technology, Walker, Editor, 131, 1988 (reprinted 1990).						
	AN	Dill, "Dominant Forces in Protein Folding," 1990, Biochemistry, 29:7133.						
	AO	Laibinis et al., "w-Terminated Alkanethiolate Monolayers on Surfaces of Copper, Silver, and Gold Have Similar Wettabilities," 1990-1995, J. Am. Chem. Soc. 1992:114.						
	AP	Lou et al., "One-Step Competitive Immunochromatographic Assay for Semiquantative Determination of Lipoprotein(a) in Plasma," 1993, Clinical Chemistry 39:619-624.						
EXAMINER 				DATE CONSIDERED 7/18/03				
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.								

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<b>PATENT DOCUMENTS</b>								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
f	BA	5,087,556	02/1992	Ertinghausen	422	7.9	05/17/1989	
	BB	5,051,237	09/1991	Grenner et al.	422	56	06/23/1988	
	BC	5,028,535	07/1991	Buechler et al.	435	7.1	01/10/1989	
	BD	5,023,054	06/1991	Sata et al.	422	82	11/19/1989	
	BE	4,963,498	10/1990	Hillman et al.	436	69	01/15/1998	
	BF	4,906,439	03/1990	Grenner	422	56	12/21/1987	
	BG	4,426,451	01/1984	Columbus	436	518	01/28/1981	
	BH	5,458,852	10/1995	Buechlet	422	58	05/21/1991	
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	BI	0418765	03/1991	EPO				
	BJ	0212314	04/1987	EPO				
	BK	0348006	12/1989	EPO				
	BL	A-3-223674		JP				
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)								
	BM	Myer, "Surfaces, Interfaces, and Colloids: Principles and Applications," 1991, 94-99.						
	BN	Ross et al., "Thermodynamics of Protein Association Reactions: Forces Contributing to Stability," 1981, Biochemistry, 20:3096.						
	BO	Frens, "Controlled Nucleation of the Regulation of the Particle Size in Monodisperse Gold Suspensions," 1973, 241:20.						
	BP	Phadke, "Biosensors and Enzymes Immobilized Electrodes," 1992, Biosystems, 27:203-206.						
	BQ	Rogers et al., "Biosensors for Environmental Monitoring," 1992, Biosensors & Bioelectronics, 7:317-321.						
EXAMINER <i>Alexander</i>				DATE CONSIDERED <i>7/16/03</i>				
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<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
J	CA	4,233,029	11/1980	Columbus	422	58X	10/25/1978	
	CB	4,829,010	05/1989	Chang	422	58	03/13/1987	
	CC	4,911,782	03/1990	Brown	156	633	03/28/1988	
	CD	5,202,268	04/1993	Kuhn et al.	436	525	12/30/1988	
	CE	5,486,335	01/1996	Wilding et al.	442	55	04/24/1995	
	CF	5,006,309	04/1991	Khalil et al.	442	56	04/22/1988	
	CG	4,591,570	05/1986	Chang	436	518	02/02/1983	
	CH	4,916,056	04/1990	Brown III et al.	435	7	03/28/1988	
	CI	4,877,586	10/1989	Devaney, Jr. et al.	422	101	07/27/1988	
	CJ	4,857,453	08/1989	Ullman et al.	435	7	04/07/1987	
	CK	4,727,019	02/1988	Valkirs et al.	435	5	05/10/1985	
	CL	4,435,504	03/1984	Zuk et al.	435	7	07/15/1982	
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	CM	A-1-203038		JP	NO COPIES Supplied For Consideration			
	CN	A-57-113364		JP				
	CO	A-57-156028		JP				
	CP	A-62-129759		JP				
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)								
	CQ	X						
<b>EXAMINER</b> Alexander				<b>DATE CONSIDERED</b> 7/18/03				
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<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
↓	DA	4,695,554	09/1987	O'Connell et al.	436	528	03/27/1985	
	DB	4,859,613	08/1989	Lawrence	436	548	11/12/1986	
	DC	5,155,212	10/1992	Duhler et al.	530	380	05/29/1990	
	DE	5,766,961	06/1998	Pawlak et al.	436	510	11/23/1993	
	DF	4,978,503	12/1990	Shanks et al.	422	58	09/06/1988	
	DG	5,885,527	03/1999	Buechler	422	58	05/23/1995	
	DH	6,019,944	02/2000	Buechler	422	58	05/23/1995	
	DI	4,756,884	07/1988	Hillman et al.	422	68	07/01/1986	
	DJ	4,948,961	08/1990	Hillman et al.	250	252.1	04/05/1988	
	DK	5,004,923	04/1991	Hillman et al.	250	341	01/30/1990	
	DL	5,300,779	04/1994	Hillman et al.	250	341	08/18/1992	
	DM	5,140,161	08/1992	Hillman et al.	250	341	07/23/1991	
	DN	5,144,139	09/1992	Hillman et al.	250	341	07/19/1991	
	DO	5,147,607	09/1992	Mochida et al.	422	57	11/29/1990	
	DP	5,164,598	11/1992	Hillman et al.	250	341	02/05/1991	
	DQ	5,204,525	04/1993	Hillman et al.	250	252.1	07/19/1991	
	DR	5,209,904	05/1993	Forney et al.	422	73	11/16/1990	
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
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<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Pertinent Pages, Etc.)								
	DT							
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